

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: April 3, 2009 <i>(use as many sheets as necessary)</i>		Application Number	09/896,797
		Filing Date	6/29/2001
		First Named Inventor	John Trezza
		Art Unit	2613
		Examiner Name	Agustin Bello
Sheet 1 of 5	Attorney Docket Number		088245-4667

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		4,934,785	06-19-1990	Mathis et al.	
		4,990,803	02-05-1991	Gilbert, Barrie	
		5,185,846	02-09-1993	Basavanhally et al.	
		5,241,612	08-31-1993	Iwama, Takeo	
		5,337,384	08-09-1994	Basavanhally et al.	
		5,377,286	12-27-1994	Iida et al.	
		5,394,495	02-28-1995	Booth et al.	
		5,416,868	05-16-1995	Kakii et al.	
		5,446,815	08-29-1995	Ota et al.	
		5,501,893	03-26-1996	Laermer et al.	
		5,548,675	08-20-1996	Shigematsu et al.	
		5,550,942	08-27-1996	Sheem, Sang K.	
		5,610,547	03-11-1997	Koyama et al.	
		5,815,621	09-29-1998	Sakai et al.	
		5,886,581	03-23-1999	Hugel et al.	
		5,994,927	11-30-1999	Naito et al.	
		6,012,856	01-11-2000	Kim et al.	
		6,016,067	01-18-2000	Vulih et al.	
		6,037,832	03-14-2000	Kaminishi, Katsuji	
		6,137,930	10-24-2000	Laughlin, Richard	
		6,158,900	12-12-2000	Omiya et al.	
		6,160,450	12-12-2000	Eschauzier et al.	
		6,214,643	04-10-2001	Chiu	
		6,224,780	05-01-2001	Silverbrook, Kia	
		6,235,354	05-22-2001	Lee et al.	
		6,238,100	05-29-2001	Sasaki et al.	
		6,406,942	06-18-2002	Honda, Hirokazu	
		6,470,123	10-22-2002	Sherman, et al.	
		6,496,624	12-17-2002	Hikita, et al.	
		6,528,891	03-04-2003	Lin	
		6,633,719	10-14-2003	Basavanhally, et al.	
		6,642,072	11-04-2003	Inoue et al.	
		6,719,927	04-13-2004	Sakurai et al.	
		6,731,853	05-04-2004	Boureau et al.	
		7,483,599	01-27-2009	Dominic, et al.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: April 3, 2009 <i>(use as many sheets as necessary)</i>				Application Number	09/896,797
				Filing Date	6/29/2001
				First Named Inventor	John Trezza
				Art Unit	2613
				Examiner Name	Agustin Bello
Sheet	2	of	5	Attorney Docket Number	088245-4667

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² -Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		JP 09-203822	08-05-1997	Kyocera Corp.		
		EP 1 065 059	01-03-2001	Canon Kabushiki Kaisha		
		JP 2002-162536	06-07-2002	YKK Corp.		
		GB 2 062 891	05-28-1981	Bunker Ramo Corp.		
		DE 42 41 453	06-16-1994	Daimler-Benz Aktiengesellschaft		
		EP 0 768 546	04-16-1997	Furukawa Electric Co. Ltd.		
		EP 0 889 338	01-07-1999	The Whitaker corp.		
		EP 0 922 582	06-16-1999	Canon Kabushiki Kaisha		
		WO 98/57208	12-17-1998	Minnesota Mining and Manufacturing Company		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
		Communication for EP application Serial No. 02 759 141 dated November 21, 2005.	
		Communication for EP application Serial No. 02 763 264 dated November 9, 2005.	
		Copy of English translation of first Office Action issued in corresponding Chinese Application No. 2004800321558 dispatched on February 6, 2009.	
		Copy of English translation of Office Action issued in corresponding Korean Application No. 10-2003-7016814 issued November 5, 2008.	
		Copy of International Preliminary Examination Report for PCT/US02/21950 completed June 9, 2003.	
		Copy of International Preliminary Examination Report for PCT/US02/20830 completed April 9, 2003.	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: April 3, 2009 <i>(use as many sheets as necessary)</i>		Application Number	09/896,797
		Filing Date	6/29/2001
		First Named Inventor	John Trezza
		Art Unit	2613
		Examiner Name	Agustin Bello
Sheet	3	of	5
		Attorney Docket Number	088245-4667

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
		Copy of International Preliminary Examination Report for PCT/US02/22053 completed May 13, 2003.	
		Copy of International Preliminary Examination Report for PCT/US02/22084 completed April 16, 2003.	
		Copy of International Preliminary Examination Report for PCT/US02/22090 completed April 17, 2003.	
		Copy of International Preliminary Examination Report for PCT/US02/22092 completed September 20, 2006.	
		Copy of International Preliminary Examination Report for PCT/US02/22093 completed June 24, 2003.	
		Copy of International Preliminary Examination Report for PCT/US03/06322 completed October 30, 2003.	
		Copy of International Preliminary Examination Report for PCT/US02/22096 completed September 16, 2004.	
		Copy of International Preliminary Report of Patentability for PCT/US2004/034603 issued November 1, 2006.	
		Copy of International Search Report for PCT/US02/21950 completed September 24, 2002.	
		Copy of International Search Report for PCT/US02/22052 completed September 24, 2002.	
		Copy of International Search Report for PCT/US02/22053 completed October 16, 2002.	
		Copy of International Search Report for PCT/US02/22084 completed April 16, 2003.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: April 3, 2009 <i>(use as many sheets as necessary)</i>		Application Number	09/896,797
		Filing Date	6/29/2001
		First Named Inventor	John Trezza
		Art Unit	2613
		Examiner Name	Agustin Bello
Sheet	4	of	5
		Attorney Docket Number	088245-4667

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
		Copy of International Search Report for PCT/US02/22090 completed October 15, 2002.	
		Copy of International Search Report for PCT/US02/22092 completed September 26, 2002.	
		Copy of International Search Report for PCT/US02/22093 completed April 15, 2003.	
		Copy of International Search Report for PCT/US02/22096 completed February 24, 2003.	
		Copy of International Search Report for PCT/US02/220830 completed October 14, 2002.	
		Copy of International Search Report for PCT/US03/06322 mailed July 28, 2003.	
		Copy of International Search Report for PCT/US03/22332 mailed March 22, 2004.	
		Copy of Written Opinion for PCT/US02/22052 mailed October 10, 2006	
		Copy of Written Opinion for PCT/US02/22092 mailed June 19, 2006.	
		De Brabander et al., "Single Polarization Optical Waveguide on Silicon," IEEE Journal of Quantum Electronics, v. 27, No. 3 (March 1, 1991), pp. 575-579.	
		Dines, "Smart Pixel Optoelectronic Receiver Based on a Charge Sensitive Amplifier Design," IEEE Journal of Selected topics in Quantum Electronics, V. 2, No. 1 (April 1996), pp. 117-120.	
		First Office Action for Chinese application Serial No. 028130960 dispatched on November 17, 2006.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: April 3, 2009 <i>(use as many sheets as necessary)</i>		Application Number	09/896,797
		Filing Date	6/29/2001
		First Named Inventor	John Trezza
		Art Unit	2613
		Examiner Name	Agustin Bello
Sheet	5	of	5
		Attorney Docket Number	088245-4667

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
		First Office Action for Chinese application Serial No. 028130995 dispatched on March 25, 2005.	
		Madhaven et al., "Low-power 2.5Gbit/s VCSEL Driver in 0.5um CMOS Technology," Electronics Letters, V. 34, No. 2 (Jan. 22, 1998), pp. 178-179.	
		Supplementary European Search Report for EP application Serial No. 02 76 3264 completed June 16, 2005.	
		Supplementary Partial European Search Report and Supplementary European Search Report for EP application Serial No. 02 759 141 completed on June 27, 2005.	
		Supplementary Partial European Search Report for EP application Serial No. 02 76 5833 completed on June 27, 2005.	
		Van Blerkom, "Transimpedance Receiver Design Optimization for Smart Pixel Arrays," Journal of Lightwave Technology, V. 16, No. 1 (Jan. 1998), pp. 119-126.	
		Woodward et al., "Optical Receivers for Optoelectronic VLSI," IEEE Journal of Selected Topics in Quantum Electronics, V. 2, No. 1 (April 1996), pp. 106-115.	
		Woodward, "Optical Receivers for Smart Pixel Applications," Photonics West Conference, Jan. 1996, pp. 67-68.	
		Woodward, et al., "Parallel Operation of 50 Element Two-Dimensional CMOS Smart-Pixel Receiver Array," IEEE Electronic Letters, Vol. 34, No. 10, (14 May 1998), pp. 936-37.	

Examiner Signature	/Agustin Bello/ (05/27/2009)	Date Considered	
--------------------	------------------------------	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.